| <br> | <br>laims |  |
|------|-----------|--|
|      |           |  |

| Application No.     | Applicant(s)    |   |  |  |  |  |  |  |  |  |
|---------------------|-----------------|---|--|--|--|--|--|--|--|--|
| 09/841,787          | YAMAMORI, MAKOT | 0 |  |  |  |  |  |  |  |  |
| Examin r            | Art Unit        |   |  |  |  |  |  |  |  |  |
| Anne Marie Grunberg | 1661            |   |  |  |  |  |  |  |  |  |

| √  | Rejected |
|----|----------|
| II | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      |  |  |   | Da      | ite   |         |          |          | 10     | Cla      | im       |                         |              |              | Date            |          |                              |           |          | Cla      | aim      |                       |         | I                | Date         | 9        |                     |           |          |
|----------|----------|--|--|---|---------|---|---------|----------|----------|--------|----------|----------|-------------------------|--------------|--------------|-----------------|----------|------------------------------|-----------|----------|----------|----------|-----------------------|---------|------------------|--------------|----------|---------------------|-----------|----------|
|          |          |  |  |   |         | -   | Т       |          |          |        |          |          |                         |              |              |                 |          |                              |           |          |          | _        |                       | Т       |                  |              |          |                     |           |          |
| ल        | Original | 1/15/04  |  |   |         | į   |         | 1        |          |        | Final    | Original |                         |              |              |                 |          |                              |           |          | ਕੁ       | Original |                       |         |                  |              |          | Ì                   |           |          |
| Final    | ē        | 115  | .  |   |         |   |         | 1        |          |        | ᇤ        | ij       |                         |              | 1            |                 |          | 1 1                          |           |          | Final    | ij       |                       |         |                  |              |          |                     | İ         |          |
| "        | Ō        | =  |  | 1   |         |   |         |          |          |        | _        | 0        |                         |              |              |                 |          |                              | 1.        |          | _        | 0        |                       |         |                  |              |          |                     | Ì         |          |
| <u> </u> | 1        | $\vdash$   | -  |   | +       | +   | +       | +-       | ╁┈       |        |          | 51       |                         | _            | +-           | $\vdash$        | _        |                              | $\exists$ |          |          | 101      |                       | 十       | 1                |              |          |                     | 寸         | $\neg$   |
|          | 2        |  | $\vdash$   | +   | +       | +   |         | +        | $\vdash$ | 11 111 |          | 52       |                         | +-           | $\vdash$     | +               | $\dashv$ | +                            | -         |          |          | 102      | -                     | +       | 1                |              |          | $\dashv$            | 十         | ㅓ        |
|          | 3        | -  | -  |   | +       | +   |         |          | $\vdash$ |        |          | 53       | -                       |              | +            | $\vdash$        | +        | +                            | -         |          |          | 103      |                       | +       | +-               | $\vdash$     | Н        | -                   | $\dashv$  | ㅓ        |
|          |          |  | $\dashv$   |   | - -     | +   | -       |          | $\vdash$ |        |          | 54       | -                       | +-           | +            | $\dashv$        | $\dashv$ | ╁─┼                          | -         |          |          | 104      |                       | +-      | +                | $\vdash$     | $\vdash$ | $\dashv$            | $\dashv$  | ᅱ        |
| <u> </u> | 4        |  | $\vdash$   |   | +       | +-  |         |          | -        |        |          | 54       |                         |              | $\vdash$     |                 |          | ┿                            | -         |          |          | 105      | -+                    | +       | +                |              |          | $\dashv$            | 十         | ᅱ        |
|          | 5        | <u> </u>   | $\perp$  |   | +       | +   | -       |          |          |        |          | 55<br>56 | -                       | +            | <b>├</b> ─   | $\vdash$        | -        | ┼╌┼                          |           |          |          | 106      | +                     | +-      | +                | -            |          | $\dashv$            | $\dashv$  | $\dashv$ |
| 1        | 6        | =  |  |   | - -     | +   | -       | <u> </u> | H        |        |          |          | -                       |              | $\vdash$     | $\vdash$        |          | +-+                          | $\dashv$  |          |          |          |                       | +       | +                |              |          | $\dashv$            |           | $\dashv$ |
| 2        | 7        | =  |  |   |         | +   | _       |          | $\vdash$ |        | _        | 57       |                         | -            | <del>-</del> | $\vdash$        | +        | ╁╼┼                          | _         | <u> </u> |          | 107      |                       | +       | -                |              | -        | $\dashv$            | $\dashv$  | -        |
| 3        | 8        | =  | -  |   | 4       | _   | _       | 4        | ļ        |        |          | 58       | $\vdash$                |              | -            | -               |          | +                            | -         |          |          | 108      |                       | -       | +-               | -            |          | -                   | -         | $\dashv$ |
| 4        | 9        | =  |  | $\bot$  | 4       | $\perp$   |         | <u> </u> | _        |        |          | 59       |                         | _ _          | _            |                 |          | <b>├</b>                     | 4         |          |          | 109      |                       | +       | +                |              |          |                     | -         |          |
| 5        | 10       | =  |  |   | ᆚ       | _   |         |          | <u> </u> |        |          | 60       |                         |              | 1_           | $\Box$          |          |                              | _         |          |          | 110      |                       | $\bot$  | 4                |              | Ш        |                     | $\dashv$  | _        |
| L        | 11       |  |  |   | _       | $\perp$   |         | 1_       | ļ        |        |          | 61       |                         | $\downarrow$ | 1            | Ц               | $\perp$  | $\sqcup$                     | 4         |          |          | 111      | $\perp$               | 4-      | _                | _            | $\sqcup$ |                     | 4         | 4        |
|          | 12       |  |  | $\perp$   |         |   |         |          | <u> </u> |        |          | 62       |                         | $\perp$      | <u> </u>     | Ш               |          | $\perp \perp$                |           |          |          | 112      | $\perp$               | _       |                  |              |          |                     | _         | _        |
|          | 13       |  | $\Box$   |   | $\perp$ |   |         |          | _        |        |          | 63       |                         | $\perp$      | <u> </u>     | Ш               | $\perp$  |                              |           |          |          | 113      |                       | $\perp$ |                  |              | _        |                     | $\dashv$  |          |
|          | 14       | L  | LJ.  |   | ⊥       | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |         | L        | L        | 277    |          | 64       |                         |              |              |                 |          |                              |           |          |          | 114      |                       | $\perp$ | $\perp$          |              |          |                     | $\dashv$  | _        |
|          | 15       |  |  |   |         |   |         | Τ        |          |        |          | 65       |                         |              |              |                 |          |                              |           |          |          | 115      |                       | $\perp$ |                  |              | L_       |                     | $\perp$   |          |
|          | 16       |  |  | 1   |         |   |         |          |          |        |          | 66       |                         |              |              |                 |          |                              |           |          |          | 116      |                       | $\perp$ |                  |              |          |                     |           |          |
|          | 17       |  |  |   | 十       | ┪   | 1       | Т        |          |        |          | 67       |                         |              | T            |                 |          |                              |           |          |          | 117      |                       |         | $\mathbf{I}^{-}$ |              | L        |                     |           |          |
|          | 18       | T  |  | _   | 1       | $\top$  |         | $\top$   | 1        |        |          | 68       |                         |              | T            | $\Box$          |          | $\Box$                       |           |          |          | 118      |                       | Τ       |                  |              |          |                     | $\Box$    |          |
|          | 19       |  | $\vdash$   |   | +       | $\top$  |         | T        | T        | ari    |          | 69       |                         |              | T-           |                 | $\top$   | $\uparrow \uparrow \uparrow$ |           |          |          | 119      |                       | $\top$  |                  |              |          |                     | $\neg$    |          |
|          | 20       |  |  | +   | +       | $\top$  | +       | +-       | T        | 40     |          | 70       |                         | $\top$       | $t^-$        |                 | 1        | T                            | -         |          |          | 120      | $\neg \vdash$         | 1       | 1                |              |          | T                   | $\exists$ | ヿ        |
| -        | 21       | <del> </del>                                     | $\vdash \vdash$                                  | +   | +-      | +   | +       | +        | †        |        |          | 71       | -                       | +            | $\vdash$     | $\vdash$        | $\top$   | $\dagger \dagger$            | $\dashv$  |          |          | 121      |                       | T       | +                | Г            |          |                     | $\dashv$  | $\neg$   |
| <b>—</b> | 22       | <del>                                     </del> | $\vdash$   | $\dashv$  | +-      | +   | +       | +        | †        |        |          | 72       |                         | +            | T            | $\vdash$        | +        | ++                           |           |          |          | 122      | -                     | $\top$  | 1                | <del> </del> |          |                     | $\dashv$  |          |
| -        | 23       | <del> </del> —                                   | $\vdash$   | +   | +       | +   | +       | +        | +        |        |          | 73       | $\vdash$                | +            | $\vdash$     | -               | +        | ++                           | -         |          |          | 123      |                       |         | +                | T            |          |                     | $\dashv$  | $\dashv$ |
| -        | 24       | $\vdash$   | $\vdash$   | +   | +       | +   | +       | +        |          |        | -        | 74       |                         | +            | $\vdash$     | +-+             | -        | +                            | $\dashv$  |          |          | 124      |                       |         | $\vdash$         | $\vdash$     |          | $\vdash$            | $\dashv$  | $\neg$   |
| $\vdash$ | 25       |  |  |   | +       | +   | +       | +        | +        |        |          | 75       | $\vdash \vdash$         | -            | +            | -               | +        | ++                           |           |          |          | 125      |                       |         | +                |              |          | $\Box$              | $\dashv$  |          |
| -        | 26       | -  | ┞╌┼╸   | +   | +       | -   |         |          | +        |        |          | 76       | $\vdash$                | +            | +-           | $\vdash$        | +        | ++                           |           |          |          | 126      |                       |         | +                | -            |          | H                   | $\dashv$  | ᅱ        |
| -        | 20       | ⊢  |  |   | +       | +   |         |          | $\vdash$ |        |          | 77       | $\vdash$                | +            | ╆            |                 |          | ++                           |           |          |          | 127      |                       | -       | +                |              |          | $\vdash$            | $\dashv$  | ᅱ        |
|          | 27       | ┢  |  |   | +       | +   | +       | -        | $\vdash$ |        |          | 70       | $\vdash$                | +            | ╄-           | $\vdash$        | +        | +-+                          |           |          |          | 128      |                       | +       | +                | $\vdash$     |          | $\dashv$            | $\dashv$  | $\dashv$ |
|          | 28       |  | -  |   |         | -   | +       |          | -        |        |          | 78       | -                       | +            | +            | $\vdash$        | +        | ╁╌┼                          |           |          |          | 129      |                       |         | +                | <u> </u>     |          | $\dashv$            | $\dashv$  | $\dashv$ |
|          | 29       |  | <u> </u>   |   |         | 4   | -       |          | ـــــ    |        |          | 79       |                         | +            | ╁            |                 | +        | +                            |           |          |          | 129      | _                     | +       | +                | -            |          | $\dashv$            | $\dashv$  | $\dashv$ |
|          | 30       |  | _  |   | 4       | 4   | _       | <u> </u> | ╄        |        |          | 80       | $\vdash$                | +            | ┼            | $\vdash \vdash$ |          | +                            |           |          |          | 130      |                       | +       | +-               | ┡            |          | $\vdash$            |           |          |
|          | 31       |  |  |   |         |   |         | _        |          |        |          | 81       | $\perp$                 | $\bot$       | _            | $\sqcup$        | $\perp$  | 4                            | _         |          |          | 131      |                       | +       | 1                | ļ            |          |                     | -         | _        |
|          | 32       |  | Щ  | _   | $\perp$ | $\perp$   | $\perp$ | 4        | 1_       |        |          | 82       | $\sqcup \!\!\!\! \perp$ | $\perp$      | -            | $\sqcup$        | $\perp$  | $\downarrow \downarrow$      |           |          |          | 132      |                       | $\perp$ |                  | ├            |          | $\vdash \downarrow$ | $\dashv$  | $\dashv$ |
|          | 33       |  | $\sqcup \sqcup$                                  |   |         | ╙   | $\perp$ | ļ        | 1_       |        |          | 83       | $\sqcup \!\!\! \perp$   | $\perp$      | 1            | Ш               | $\perp$  | 1.1                          | ]         |          |          | 133      | $\vdash \vdash$       | $\bot$  | 4                | $\vdash$     |          |                     |           | _        |
|          | 34       | <u>L</u>   |  |   | $\perp$ |   | $\perp$ | $\perp$  | _        |        |          | 84       | $\sqcup \!\!\! \perp$   | $\perp$      |              | $\sqcup$        |          | $\downarrow \downarrow$      | _         |          |          | 134      | $\vdash$              | $\perp$ | 1                | $\vdash$     | <b> </b> | $\sqcup$            | $\dashv$  | _        |
|          | 35       |  |  |   |         |   | $\perp$ | 1        | 1_       |        |          | 85       | $\sqcup \!\!\! \perp$   |              |              | $\sqcup$        |          | $\perp \perp$                |           |          |          | 135      | $\sqcup \!\!\! \perp$ | 4       | $\bot$           | <u> </u>     |          | Щ                   | $\dashv$  |          |
|          | 36       |  |  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $\perp$ | $\perp$   |         |          |          |        |          | 86       |                         | $\perp$      |              | Ш               | _ _      | $\perp$                      |           | 40       |          | 136      | $\sqcup \bot$         | $\perp$ | $\perp$          | <u> </u>     | _        | $ \bot $            | $\dashv$  | ᅵ        |
|          | 37       | L  | $\Box \top$                                      | [   |         |   |         | Ţ        |          |        |          | 87       |                         |              |              |                 |          |                              |           |          |          | 137      | oxdot                 | 1.      | $\perp$          | <u> </u>     | _        |                     | $\dashv$  | $\Box$   |
|          | 38       |  |  | 1   | T       | 1   | T       | T        |          |        |          | 88       | $\Box \top$             |              |              |                 |          |                              |           |          |          | 138      |                       |         |                  |              |          | $\bigsqcup$         |           |          |
|          | 39       |  |  |   | $\top$  | $\top$  |         |          |          |        |          | 89       |                         | T            |              |                 |          |                              |           |          |          | .139     |                       | ╧       |                  | oxdot        | oxdot    | Ш                   |           | ]        |
|          | 40       |  |  |   | 十       | 1   | $\top$  | T        | T        |        |          | 90       |                         |              |              |                 |          |                              |           |          |          | 140      | LT.                   |         |                  | L            | L        |                     |           | ]        |
|          | 41       | П  | $\Box$   | $\dashv$  | $\top$  | $\top$  |         | 1        | T        |        |          | 91       |                         |              | Τ            | $\Box$          |          | T                            |           |          |          | 141      |                       |         |                  |              |          |                     | T         |          |
|          | 42       | T  | <del>                                     </del> | $\top$  | 十       | +   |         | 1        | 1        |        |          | 92       |                         | Τ            | T            |                 |          | $\sqcap$                     | $\neg$    |          |          | 142      |                       |         |                  | Γ            | Γ        |                     | $\neg$    |          |
|          | 43       | $^{\dagger}$                                     | $\vdash$   | $\dashv$  | +       | +   | $\top$  | +        | $\top$   |        |          | 93       | $\vdash$                | $\top$       | <b>†</b>     | $\sqcap$        | $\neg$   | $T^{\dagger}$                | $\neg$    |          |          | 143      |                       | $\top$  |                  | Γ            | Γ        |                     | $\neg$    | $\neg$   |
| <b>—</b> | 44       | t-   | $\vdash$   | $\dashv$  | +       | +   | +       | †        | $\vdash$ |        |          | 94       | $\vdash$                | +            | †            |                 | $\dashv$ | 11                           | $\neg$    | 댎        | -        | 144      |                       | $\top$  |                  | T            |          | H                   | $\neg$    | $\neg$   |
| <u> </u> | 45       | +  | $\vdash$   |   | +       | +   | +       | +        | $\vdash$ |        |          | 95       | $\vdash$                | +            | +-           | -               | $\dashv$ | +                            | $\dashv$  | H        |          | 145      |                       | $\top$  | 1-               | $t^-$        |          | H                   | $\dashv$  | $\dashv$ |
| $\vdash$ | 46       | +  | $\vdash$   | +   | +       | +   | +       | +-       | +        |        | <u> </u> | 96       | $\vdash$                | +            | +-           |                 | -+-      | + +                          | $\dashv$  |          |          | 146      | $\vdash \uparrow$     | $\top$  | +-               | T            |          | $\vdash$            | -         | $\dashv$ |
|          | 47       | <del> </del>                                     | $\vdash$   | $\dashv$  | +       | +   | +       | +        | +        |        | _        | 97       | $\vdash$                | +            | $\vdash$     | $\vdash$        | $\dashv$ | ╁┼                           | $\dashv$  |          |          | 147      | -                     | +       | +-               | T            | $\vdash$ | $\vdash$            | $\dashv$  |          |
| -        |          | $\vdash$   | $\vdash$   | $\perp$   | +       | -   | +       | +        | ┼        |        | <u> </u> | 98       |                         | +            | +-           | $\vdash$        | +        | +                            | $\dashv$  |          |          | 148      | $\vdash$              | +       | +-               | $\vdash$     | $\vdash$ | $\vdash$            | $\dashv$  | $\dashv$ |
| -        | 48       | <u> </u>   | $\vdash \vdash$                                  | $\perp$   | - -     | +   | 4       | +-       | $\vdash$ | H      | <u> </u> |          |                         | +            | +            | $\vdash$        | $\dashv$ | ++                           | $\dashv$  |          | <u> </u> | 149      | -                     | +       | +                | ┼            | -        | $\vdash$            | $\dashv$  | $\dashv$ |
|          | 49       | ▙  | $\vdash \vdash$                                  | -   | +       | +   | -       |          | $\vdash$ |        |          | 99       |                         | +            | +            |                 | +        | +                            |           |          |          | 150      |                       | +       | +-               | -            |          |                     | $\dashv$  | $\dashv$ |
| L        | 50       |  |  |   | $\perp$ |   |         | .1       |          | ] =    | L        | 100      | L_L                     |              |              |                 |          |                              |           | 110      |          | 130      | $\Box \bot$           | $\perp$ |                  |              | <u> </u> | Ш                   |           |          |